

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:51:13 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	479	Isomax	PLANT 25.1 UTILITIES	2007	2-20	Is all information necessary for performing procedures included or referenced in the procedure?	The emergency procedures contain all the info required. The routine procedures do not contain all the information in all cases - especially for impacts to other plants or the differences between specific poeces f equipment.	The trainer is also the procedurer writer and is currently occupied with training new operators. Consider providing additional resources to keep the EOM up-to date.	Futher review has determined that the routine and emergency procedures, including the new instrument air system, are current and accurate. Additional procedures that should be developed are for procedurres for taking equipment out of service for maintenance that are only used rarely. These procedurres should be developed as needed and saved for future reference.	7/31/2007	Jimerson, John E.	Completed
Latent Condition	480	Isomax	PLANT 25.1 UTILITIES	2007	2-8	Are there jobs that are beyond employees' physical limits or safe physical limits (e.g., carrying equipment, that requires both hands, up stairs that are poorly lighted at night?	There are some valves at several locations , especially the two deaerators that are difficult to reach. Operators must lean over the stairway railing to operate the valve.	Install handwheel extensions on these valves	Installed handwheel extensions on both valves and rotated valves to ease in operating	7/31/2007	Carriere, Russell M.	Completed
Latent Condition	481	Isomax	PLANT 25.1 UTILITIES	2007	3-11	Are operating ranges for process variables specified in the same engineering units as the instrument read-out or indicator (i.e., mental conversion of units is avoided)?	No. Some of the field indicators read in per cent of scale, not engineering units. This can be troublesome when a field operator is controlling part of the plant on bypass	Consider switching the field readouts to engineering units.	Declined. Field transmitters and read outs were put in place with percent indications per refinery wide Honeywell conversion. Baker tags were put in place to help in converting from percent to engineering units.	7/31/2007	Jimerson, John E.	Completed
Latent Condition	482	Isomax	PLANT 25.1 UTILITIES	2007	3-13	Are all equipment labels (e.g., vessels, piping, valves, instrumentation, etc.) easy to read (clear and in good condition)?	Labeling of field equipment is not consistently in place or clearly identified	Survey the plant and adding labels as needed.	Survey completed and labels are good	8/30/2007	Vanrijn, Pete S.	Completed
Latent Condition	483	Isomax	PLANT 25.1 UTILITIES	2007	3-14	Are all equipment labels correct and unambiguous?	No, some chemical lines and equipment have not been updated since the chemical was changed - Nexgard is still labeled as chelate. Lube Oil tanks are still labeled GST-46 when they are now 220R	Consider surveying the plant and adding labels as needed.	Passport generated to relabel 220R tank. Nexgard tank has already been relabelled.	8/30/2007	Vanrijn, Pete S.	Completed
Latent Condition	484	Isomax	PLANT 25.1 UTILITIES	2007	3-16	Do all equipment labels use standard terminology (e.g., acronyms, abbreviations, equipment tags, etc.)?	There is some inconsistency in the labels on the equipment	Revise the labels to use a consistent set of identifiers.	field audited labeling and not an issue. Could not find inconsistencies.	8/30/2007	Vanrijn, Pete S.	Completed

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:51:13 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	485	Isomax	PLANT 25.1 UTILITIES	2007	3-21	Are caution and warning signs easy to read [consider letter size and color]?	Chemical caution signs are in good condition and well located. There are some high noise areas that should be reviewed for double protections zones	Consider conducting a noise survey of the areas near boiler feed water pumps to determine if additional caution signage is appropriate	Noise survey has already been completed. There are no double hearing protection areas in South Isomax. Ear plugs or muffs are required in all areas of the plant.	8/15/2007	Vanrijn, Pete S.	Completed
Latent Condition	486	Isomax	PLANT 25.1 UTILITIES	2007	4-2	Is communications equipment adequate for the number of persons or stations who must communicate with each other?	Each operator has a radio for ease of communication, however there are some issues with batteries not being fully charged due to battery memory, difficulty hearing in noisy areas and system being overloaded during refinery wide emergency response	Radio system changes were made in December 2006 that should improve communication ability during a refinery wide upset. Review the current state of battery technology to see if there is an improved system available	New nickel hydride batteries are now available and are being purchased as the old batteries wear out.	7/15/2007	Jimerson, John E.	Completed
Latent Condition	487	Isomax	PLANT 25.1 UTILITIES	2007	4-3	Is the communication capability between operators, and between operators and the control room or other necessary locations adequate during normal operations and emergencies?	Communication is difficult in the area of the operator consoles to some degree during both normal and emergency operations	Consider some alternatives to minimize noise impact from one area on another.	Sound partitions for the control room have been added to the Hydro Processing Control Center remodel project.	9/30/2007	Chavda, Bharat	Completed
Latent Condition	488	Isomax	PLANT 25.1 UTILITIES	2007	4-6	Are the engineering units of similar instruments consistent [e.g., do the pump seal flush rotameters all display flow in either gpm or gph]?	Some are in percent of scale, some are in engineering units, others are in a variety of ranges not always consistent.	Consider reviewing the instrument ranges both on the DCS and in the field and update/revise to a consistent pattern.	Review completed and all field readings are in percent and correct for the process.	7/31/2007	Jimerson, John E.	Completed
ISS	1163	Isomax	PLANT 25.1 UTILITIES	2007	3H1	Layout equipment to minimize congested and confined spaces to limit potential for blast overpressure in the event of a flammable release?	One side of the plant has congested equipment	Remove abandoned fuel oil equipment	Work request has been actioned and OA notified for monies required to remove abandoned equipment. This equipment is not a safety issue, but a nice to have. The goal is to remove all unnecessary piping and equipment when not needed.	10/31/2007	Jimerson, John E.	Completed